

Table of Contents

Mobile Interface Design

- An XML-Based Runtime User Interface Description Language for Mobile Computing Devices 1
Kris Luyten and Karin Coninx

- Model-Based User Interface Design Using Markup Concepts 16
Andreas Mueller, Peter Forbrig, and Clemens Cap

- Abstract User Interfaces: A Model and Notation to Support Plasticity in Interactive Systems 28
Kevin A. Schneider and James R. Cordy

- Task Modelling for Context-Sensitive User Interfaces 49
Costin Pribeanu, Quentin Limbourg, and Jean Vanderdonckt

Supervision and Control Systems

- Industrial User Interface Evaluation Based on Coloured Petri Nets
Modelling and Analysis 69
*Maria de F.Q.V. Turnell, Alexandre Scaico, Marckson R.F. de Sousa,
and Angelo Perkusich*

- A Tool Suite for Integrating Task and System Models
through Scenarios 88
*David Navarre, Philippe Palanque, Fabio Paternò,
Carmen Santoro, and Rémi Bastide*

Temporal and Stochastic Issues

- Temporal Patterns for Complex Interaction Design 114
Min Du and David England

- Modelling Dynamic Group Behaviours 128
José Luis Garrido and Miguel Gea

- Reasoning about Interactive Systems with Stochastic Models 144
G. Doherty, M. Massink, and G. Faconti

New Perspectives

- Towards Uniformed Task Models in a Model-Based Approach 164
Quentin Limbourg, Costin Pribeanu, and Jean Vanderdonckt

Heuristic Evaluation of Website Attractiveness and Usability	183
<i>Alistair Sutcliffe</i>	
Affordance and Symmetry	199
<i>Harold Thimbleby</i>	
Author Index	219